

**Emerald Pointe Preserve  
Annual Report  
November 2008 - October 2009**

*Prepared for:*

City of Carlsbad

*Prepared by:*

San Diego Habitat Conservancy

October 2009

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### Attachments

- Attachment A.** 2008-09 Emerald Pointe Preserve Plant and Animal Species List  
**Attachment B.** 2008-09 Quarterly Log Reports  
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## I. Introduction

This report summarizes the management activities performed or overseen by the San Diego Habitat Conservancy (SDHC) at the Emerald Pointe Preserve ("Preserve") during the management year beginning November 2008 and ending October 2009. This annual report summarizes SDHC's approach to satisfying the preserve management goals and objectives set forth in the Property Analysis Record (PAR) developed by SDHC, dated February 20, 2006. The PAR includes a list of long-term management tasks that are consistent with the intent of the City of Carlsbad's Habitat Management Plan, December 1999. This document represents the first annual report for this preserve in its entirety. Quarterly reports were submitted to Jeff Norton of RWR Homes in December 2008 and April, July, and October 2009. RWR Homes represents the Homeowner's Association ("HOA") for the adjacent single-family residential project, "Emerald Pointe Estates," located immediately east of the Preserve. The HOA is responsible for maintaining the fencing between the Preserve and their fuel modification zone, as well as maintenance of other common area open space outside the limits of the Preserve.

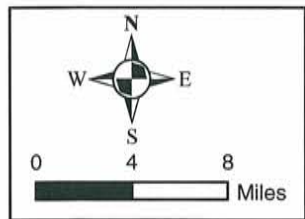
The Preserve is located in the City of Carlsbad in San Diego County, east of Aviara Parkway, north of Cobblestone Drive, and west of Sapphire Drive (Figure 1). The site is surrounded by high-density residential uses to the west, low-density residential uses to the south and east, and open space to the north. A 100-foot fuel modification zone buffers the Preserve from the residential development to the east. An SDG&E easement crosses the northwest corner of the preserve and includes a dirt access road. The property occupies portions of Township 12 S Range 4 West on the U.S. Geological Survey 7.5-minute Encinitas Quadrangle (Figure 2).

The Preserve covers approximately 10.1 acres and is comprised of upland habitat, including Diegan Coastal Sage Scrub (6.1 acres), Southern Mixed Chaparral (1.1 acres), Valley Needlegrass Grassland (0.4 acres), Non-native Grassland (0.4 acres), Disturbed Habitat (1.4 acres), and Ornamental (0.1 acres) (Figure 2). SDHC commenced long-term habitat management in November 2008, pursuant to the Agreement for Management of Real Property, Emerald Pointe Open Space Preserve ("Management Agreement") and the associated Conservation Easement Deed.

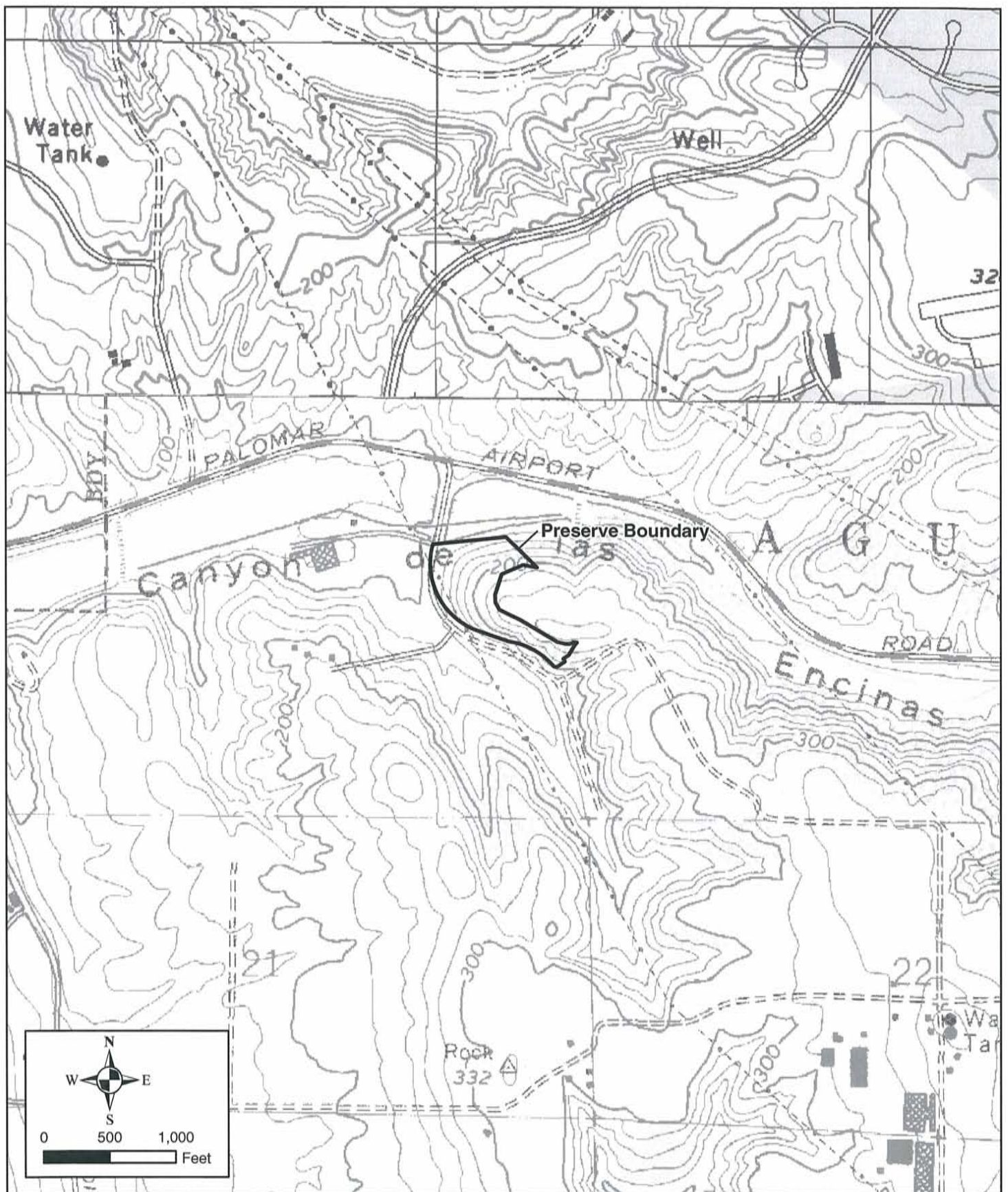
In addition, near the northern boundary, there is an approximately 0.6-acre area that was previously disturbed and currently undergoing a 5-year revegetation process to restore it to Diegan Coastal Sage Scrub. As discussed in the PAR, SDHC will not begin management of the revegetation area until the 5-year revegetation and monitoring period has concluded and the success criteria in the revegetation plan have been achieved. The 5-year monitoring period is projected to end in 2013. When successfully completed and approved by the City of Carlsbad and resource agencies, SDHC will assume management of the revegetated area in addition to the remainder of the Preserve.

General management and maintenance activities at the Preserve, such as fence and sign repair, trash removal, and invasive species mapping and removal were accomplished primarily through the initial property inspection and quarterly site patrols and reporting. Other activities conducted onsite include general and focused biological surveys, and habitat maintenance and restoration, as needed. Each of these activities and their year-end results are described within this report.









*San Luis Rey and Encinitas USGS Quad Map*

*Emerald Pointe Preserve*

*Figure 2*

In accordance with the PAR for the Emerald Pointe Preserve, the following tasks were performed by the SDHC in late 2008 through October 2009:

- Property Inspection
- Sign Installation
- Baseline Documentation & Sensitive Species Surveys
- Quarterly Inspections and Assessments
- Quarterly Log Reports
- Exotic Plant Removal and Weeding
- Other Tasks

This report also includes a summary of initial and capital expenditures and projected costs for 2009-10.

## **II. Initial and Capital Preserve Management Tasks**

### ***Property Inspection***

In September 2008 SDHC conducted a property inspection to review the condition of the property and compare it to the condition of the preserve as indicated in the Management Agreement and PAR reference materials. SDHC Executive Director Ellen Miille and Brendan Farrelly and Jeff Norton of RWR Homes attended the property inspection meeting.

SDHC noted during the inspection that fencing had been properly installed along the eastern site boundary and the site was in good condition except for some localized trash, debris, and invasive species. These issues were resolved satisfactorily prior to SDHC assuming management of the Preserve.

### ***Baseline Documentation & Sensitive Species Surveys***

In the spring of 2009, SDHC began baseline surveys for plant and wildlife species and mapped the location of exotic plant species. A cumulative list of observed plant and wildlife species is included as Appendix A. Baseline mapping also included updating vegetation boundaries where necessary and focused surveys for the federally threatened California Gnatcatcher (*Polioptila californica*) and endangered San Diego Thornmint (*Acanthomintha illicifolia*). The baseline mapping is provided in Figure 3.

Focused surveys for the coastal California Gnatcatcher were conducted in May 2009 and were positive. A family of California Gnatcatchers (one adult pair and three fledglings) was observed in the Diegan Coastal Sage Scrub. Survey dates and weather conditions are shown in Table 1. Pursuant to the PAR, focused surveys for the coastal California Gnatcatcher will be conducted every three years and vegetation mapping updates will be conducted every five years.







**Table 1. Survey Conditions During California Gnatcatcher Surveys at Emerald Pointe Preserve, 2009**

Dates	5/1/08	5/8/08	5/18/08
Survey Time	0845 - 1200	0830 - 1200	0750 - 1050
Temp (°F) Start-End	66 - 69	66 - 70	65 - 72
Sky Cover (%)	100 - 70	100 - 0	100 - 30
Wind Speed (MPH)	1 - 4	1 - 4	0 - 1
Personnel	J. Rocks	J. Rocks	J. Rocks

In May 2009, a census of the known San Diego Thornmint population onsite was conducted by the HM. A total of 110 individuals were counted within two discrete areas. The boundary of the two areas is shown on Figure 3. For historical perspective, a 1997 survey documented “approximately 150-200 individuals” onsite (Hayworth 2002). It is assumed that the survey in 1997 was a visual estimation and not an individual plant count. The lower 2009 population count may be due to the long-term drought conditions in the San Diego area or alternatively the 1997 data was too high and not as accurate as our current species count. The average annual rainfall for San Diego, as measured at Lindbergh Field, is approximately 10 inches, but during the ten-year period 1999-2008, rainfall has been below average seven of the ten years including lows of just over four inches in 2002 and 2007. It is likely that with rainfall totals closer to average, the population size will expand. This population will continue to be monitored closely on annual basis. For more information and photos, please see the 3<sup>rd</sup> quarterly report in Attachment B.

Palmer's Grappling-hook (*Harpagonella palmeri*), a California Native Plant Society (CNPS) List 4.2 species was observed immediately adjacent to the San Diego Thornmint population. List 4 species are considered “plants of limited distribution” by CNPS. This annual species is still relatively common in San Diego County where suitable clay soil conditions occur. This species is not “covered” under the City of Carlsbad's HMP, but we will continue to document the presence of this species during the spring quarterly patrol.

Overall yearly weather conditions during the monitoring period November 2008 to October 2009 were fairly typical, but with slightly below average rainfall. As is typically of the region, almost all (96%) of the approximately 9 inches of rainfall during this period fell in November-December 2008 and January-February 2009.

### ***Signs and Fencing***

As noted during the property inspection, RWR Homes, Inc. had satisfactorily installed a fence along portions of the eastern site boundary between the Preserve and the adjacent development's fuel modification zone. Three permanent preserve signs that state “Biological Open Space Conservation Area, Sensitive Environmental Resources, Access Prohibited” were attached to the fence at regular intervals and five signs were installed on metal posts set in concrete along the western and southern preserve boundaries. SDHC is responsible for all sign repairs in perpetuity. All initial signs were still intact at the end of the first year of stewardship.

RWR Homes, representing the adjacent single-family HOA, is responsible for all fence repairs and replacement, as needed.

### **III. Annual Preserve Management Tasks**

#### ***Quarterly Inspections and Assessments***

The SDHC conducted four quarterly patrols during the 2008-09 monitoring period. The focus of the quarterly visits was to observe and document substantial changes in the habitat composition and assess the need for remedial measures. During each visit the preserve was surveyed for illegal activities (such as trespassing or disturbances), trash was removed, and nonnative, invasive plant species were mapped and flagged for removal.

In general, the habitats within the Preserve appeared healthy. No major problems such as disturbance to vegetation or fencing were observed during the monitoring period. Trash was abundant along the western and southern boundaries of the Preserve, including some large items. All trash was removed during each patrol.

#### ***Quarterly Log Reports***

The HM documented the results of the quarterly patrols by keeping a monitoring log of site conditions. Each quarterly report was submitted to Jeff Norton of RWR Homes. Copies of each report are appended to this annual report (Attachment B).

#### ***Exotic Plant Removal and Weeding***

During the baseline survey and quarterly patrols, the location of exotic, invasive species was mapped and each specimen was flagged in the field for removal. The mapping information was provided to the Helix Construction Group (HCG, contractor to SDHC) to aid in locating each individual for removal. In general, the abundance of invasives within the Preserve is very low and consists of a few to several individuals of Fennel (*Foeniculum vulgare*), Tree Tobacco (*Nicotiana glauca*), and Pampas Grass (*Cortaderia* sp.). The invasive Japanese Honeysuckle (*Lonicera japonica*) that was planted as part of the ornamental landscaping associated with the residential housing was starting to spread into, but is not rooted, in the preserve. The location of observed invasives is currently restricted to areas adjacent to the residential housing along the western and southern boundary that have been previously disturbed and invasives were not present in more intact, densely vegetated areas elsewhere within the Preserve. HCG removed invasives as directed by the HM on May 18, 2009. During the final quarterly patrol of the 2008-09 monitoring period, the HM reported that the Fennel, Tree Tobacco, and Pampas Grass that had been previously treated were re-sprouting and need to be re-treated.

#### ***Other Tasks***

As described in the PAR, other tasks that will occur periodically include erosion control and revegetation (as needed). At this time, neither task is necessary as there are no major erosion areas or upland areas in need of revegetation. In addition, SDHC attends periodic meetings with the City of Carlsbad Preserve Steward, as well as the annual City workshop for the City's Habitat Management Plan.



## IV. Expenditures and Budget

The first year of stewardship for the Emerald Pointe Preserve was funded by the Initial & Capital budget. All on-going stewardship shall be funded by returns on the endowment. SDHC received the Initial and Capital funds totaling \$12,628 in December 2006. Between December 2006 and October 2008, SDHC worked with the project applicant to complete the escrow process for SDHC to take fee title to the open space. The escrow was finally completed in the fall of 2008. SDHC's expenditures for the first year of stewardship, November 2008 through October 2009 are summarized below:

<b>Initial and Capital Expenditures - November 2008 through October 2009</b>	
<b>Stewardship Tasks</b>	<b>Expenditures</b>
Project start-up, inspection, sign installation	\$1,256.66
Baseline Mapping and CAGN/thronmint survey	\$2,149.63
Quarterly Patrols, invasives removal, trash removal and log reports	\$3,208.96
Management	\$1,256.25
Administration	\$1,860.16
Attendance at Preserve Steward meetings, City's annual workshops and City GIS mtg. 2007-2009*	\$2,308.54
Miscellaneous escrow costs, pre-stewardship*	\$1,481.25
<b>TOTAL</b>	<b>\$13,521.45</b>

\* These costs were not assumed in the PAR/annual budget and result in expenditures in excess of the I&C budget.

SDHC projects the 2009-2010 annual stewardship costs to be approximately \$8,733 based on the Property Analysis Record list of management tasks, plus an additional \$1,600 for the 2008-2009 Annual Report.



## V. Summary and Recommendations

The first year of management of the Preserve was successful. SDHC protected the area from human encroachment, established baseline biological data, and developed a better understanding of the preserve and its regional context. This information will be used to help determine the need for remedial measures or adaptive management. Adaptive management as it relates to habitat management is the flexible use of existing data, monitoring, and hypotheses for the purpose of adjusting plans and trying new or revised approaches to better management. Adaptive management is often used to address and remediate habitat effects from such problems as regional pest infestations, habitat changes due to climate change and unusually pervasive invasive species issues. At this time, additional maintenance, remedial measures, or adaptive management are not necessary, but data gathered in 2008-09 will be used to assess the need for adaptive management in the future. Preserve management next year will continue to follow the goals and guidelines established in the PAR.

Prepared by:



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Jim Rocks, Habitat Manager 11/10/09

Reviewed and Approved by:



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Don Scoles, Executive Director 11/10/09

## VI. References

Hayworth, A.M. 2002. Update of the Biological Resources and Impact Assessment of the Emerald Pointe Estates (BCS Property), Carlsbad, CA. Letter report dated October 30, 2002

Helix Community Conservancy. 2006. Property Analysis Record for Emerald Pointe, City of Carlsbad. December 20.

National Weather Service. 2009. Precipitation Data for San Diego.  
<http://www.wrh.noaa.gov/sgx/>

**Attachment A**  
**2008-09 Emerald Pointe Preserve Plant and Animal Species List**

<b>Plant Species</b>	<b>Animal Species</b>
<i>Acanthomintha ilicifolia</i> (State Endangered, Federally Threatened)	<i>Polypogon monspeliensis</i>
* <i>Anagallis arvensis</i>	<i>Pterostegia drymarioides</i>
<i>Apiastrum angustifolium</i>	<i>Rhus integrifolia</i>
<i>Artemisia californica</i>	<i>Ribes speciosum</i>
* <i>Avena barbata</i>	<i>Salvia mellifera</i>
<i>Baccharis pilularis</i>	<i>Sambucus mexicana</i>
<i>Bloomeria crocea</i>	<i>Solanum parishii</i>
* <i>Brassica nigra</i>	* <i>Sonchus asper</i>
* <i>Bromus diandrus</i>	* <i>Sonchus oleraceus</i>
* <i>Bromus rubens</i>	<i>Yucca schidigera</i>
<i>Calochortus splendens</i>	
<i>Calystegia macrostegia</i>	<b>Birds</b>
* <i>Centaurea melitensis</i>	American Crow
<i>Chlorogalum parviflorum</i>	Anna's Hummingbird
<i>Chorizanthe fimbriata</i> var. <i>f</i>	Bewick's Wren
<i>Deinandra fasciculata</i>	Black Phoebe
<i>Dichelostemma capitatum</i>	Bushtit
<i>Distichlis spicata</i>	California Gnatcatcher (Fed. Threatened); adult pair and three fledglings observed in May 2009
<i>Dudleya pulverulenta</i>	California Quail
<i>Encelia californica</i>	California Thrasher
<i>Eriogonum fasciculatum</i> var. <i>f</i>	California Towhee
* <i>Erodium cicutarium</i>	Common Raven
* <i>Foeniculum vulgare</i>	Common Yellowthroat (in adjacent drainage)
<i>Galium nutallii</i> ssp. <i>n</i>	House Finch
<i>Grindelia hirsutissima</i>	Lesser Goldfinch
<i>Harpagonella palmeri</i> (CNPS List 4.2)	Mourning Dove
<i>Hedypnois cretica</i>	Northern Mockingbird
<i>Hesperoyucca whipplei</i>	Red-shouldered Hawk
<i>Heteromeles arbutifolia</i>	Red-tailed Hawk
<i>Isocoma menziesii</i>	Song sparrow
<i>Isomoeris arborea</i>	Spotted Towhee
<i>Lepidium nitidum</i>	Turkey Vulture
* <i>Logfia [Filago] gallica</i>	Western Scrub Jay
* <i>Lolium multiflorum</i>	Wrentit
<i>Lotus scoparius</i> var. <i>s</i>	<b>Mammals</b>
<i>Malacothamnus fasciculatus</i>	Audubon's Cottontail
<i>Malosma laurina</i>	California Ground Squirrel
<i>Marah macrocarpus</i>	Coyote (scat)



* <i>Melilotus indica</i>	Raccoon (tracks)
<i>Nassella lepida</i>	<b>Invertebrates</b>
<i>Navarretia hamata</i> ssp. <i>leptantha</i>	Mourning Cloak Butterfly
* <i>Nicotiana glauca</i>	West Coast Lady Butterfly
<i>Opuntia littoralis</i>	Western Tiger Swallowtail Butterfly
<i>Osmadenia tenella</i>	Trapdoor Spider Burrows
* <i>Plantago rhodosperma</i>	

\* Non-Native Species

CNPS = California Native Plant Society

**Attachment B**  
**2008-09 Quarterly Log Reports**

# SAN DIEGO HABITAT CONSERVANCY

## LOG REPORT

8130 La Mesa Blvd., #705 • La Mesa • California 91941  
Phone: (619) 668-7474 • Fax: (619) 462-0552 • Email: sdhabitat.org

### QUARTERLY LOG REPORT

DATE: November 19, 2008  
Fourth Quarter (first visit)

Preserve Name:	Emerald Pointe Open Space		
Property Location:	Carlsbad, CA – east of Aviara Parkway, north of Cobblestone Drive, west of Sapphire Drive		
Land Owner:	San Diego Habitat Conserv.	Phone:	619-668-7474
Owner Address:	8130 La Mesa Boulevard, #705, La Mesa, CA 91942		
Adjacent HOA	Emerald Point Estates Homeowner's Association		
HOA Representative:	Jeff Norton, RWR Homes	Phone:	619-948-4962
Grantee to Easement:	City of Carlsbad	Phone:	760-519-0873
Preserve Steward:	Roseanne Humphrey		
Habitat Manager:	Jim Rocks	Phone:	619-843-6640
Other Attendees	Amanda Bird – Field Assistant, SDHC Intern		

#### Weather Information:

	Time	Temp (F°)	Wind (MPH)	Sky Cover (%)
Start	1000	68	0-3 Variable	30%
Stop	1500	75	0-3 Variable	30%

Type of Survey (Walk, Drive, Air): Walking      Date of Aerial Photograph: 2007

#### 1. DESCRIBE OVERALL CONDITION OF HABITAT:

The habitat within the open space (OS) including Coastal Sage Scrub, Southern Mixed Chaparral and other native communities are intact and appear healthy with most shrub species in fall dormancy and annuals in seed. The areas previously mapped as Non-Native Grassland and Disturbed Habitat are dominated by non-native weedy species such as Black Mustard (*Brassica nigra*), Tecolote (*Centaurea melitensis*), and the native Common Tarplant (*Deinandra fasciculata*). These areas should be monitored regularly to determine if seeding with native species could help reduce the abundance of weedy species.

The enhancement/revegetation areas were also inspected and container plantings appeared to be persisting. Adjacent to the enhancement area is a large area that was previously classified as Disturbed Habitat. This area has been hydroseeded, but germination of native species has not yet taken place.

#### 2. DESCRIBE WEEDS AND INVASIVES AND ACTION TAKEN OR PROPOSED ACTION FOR REMOVAL:

In general, cover of invasive weeds is low. Fennel (*Foeniculum vulgare*) is present along the boundary of the site where previously disturbed and 3 Tree Tobacco and 1 Pampas Grass are present along the southern boundary near the intersection of Laurel Tree Road and Cobblestone Drive.

The Tree Tobacco and Pampas Grass should be removed and the Fennel will be monitored to prevent it from colonizing the OS. If Fennel is found onsite, it will be removed.



3. DESCRIBE TRASH AND DEBRIS PRESENCE/REMOVAL:

Trash is a problem along the western boundary of the site adjacent to residential housing and parking lots. Approximately 3 large trash bags of garbage were removed from the OS during this quarterly visit. Additional trash removal at this time is not necessary, but a field crew should be deployed to remove trash during the next quarterly visit or during baseline mapping which is proposed for Spring 2009.

4. DESCRIBE FENCING AND SIGNS - ANY REPAIRS OR REPLACEMENT?

Eight (8) signs demarcating the OS were installed during the field visit. The fencing around the new development along Sapphire Dr is intact and in good condition.

5. DESCRIBE MAN-MADE ALTERATIONS: For example, construction, new roads or trails, clearing since the easement was last monitored. Describe activity or alteration, noting the specific location, extent, purpose and individual responsible (if known). Note any observed effect on conservation resources identified in the easement or baseline report. Attach maps, permit information, photos or illustrations as appropriate.

No human-made alterations were observed during this quarterly visit.

6. DESCRIBE NATURAL ALTERATIONS: For example, flooding, fire, insect infestation, drought. Note location, nature, and extent of change since last report, and observe any effect on conservation values. Attach maps, photos, or illustrations as appropriate.

None observed.

7. AREAS NOT MONITORED: Identify portions of the property that could not be observed or other notes for future monitoring visits.

All areas of the OS were monitored.

8. ITEMS FOR SDHC REVIEW: List your observations, questions or requests from the landowner or others that require further SDHC consideration. List any alterations that may need to be evaluated for compliance with the easement restrictions.

**Invasives Removal** – Remove and/or treat the following:

- Three Tree Tobacco (*Nicotiana glauca*)
- Two large Pampas Grass clumps (*Cortaderia* sp.)

**Trash** – Trash will be a recurring issue at this site due to the proximity of residential housing and parking lots. Most of the trash was restricted to the area immediately along the western boundary between the OS and development. Trash was removed during this visit by the HM. A field crew should be used to remove trash during the next quarterly visit or baseline mapping effort

9. INDICATE MAPPING UPDATES, IF ANY (ATTACH MAP): None. Baseline vegetation mapping will occur in Spring 2009.
10. Cumulative List of Observed Flora and Fauna (note sensitive taxa; identify on map or GPS)

Plant Species	Plant Species cont.
<i>Artemisia californica</i>	<b>Animal Species</b>
~* <i>Avena barbata</i>	American Crow
* <i>Brassica nigra</i>	Anna's Hummingbird
~* <i>Bromus rubens</i>	Black Phoebe
* <i>Centaurea melitensis</i>	~Bustit
<i>Deinandra fasciculatum</i>	California Gnatcatcher (Fed. Threatened)
<i>Encelia californica</i>	California Towhee
<i>Eriogonum fasciculatum</i> var. <i>f</i>	Common Raven
* <i>Foeniculum vulgare</i>	~House Finch
<i>Hesperoyucca whipplei</i>	Lesser Goldfinch
<i>Heteromeles arbutifolia</i>	~Northern Mockingbird
<i>Isocoma menziesii</i>	Red-tailed Hawk
<i>Isomoeris arborea</i>	Turkey Vulture
~ <i>Logfia</i> [ <i>Filago</i> ] <i>gallica</i>	Wrentit
<i>Malosma laurina</i>	~Audubon's Cottontail
* <i>Nicotiana glauca</i>	~California Ground Squirrel
<i>Opuntia littoralis</i>	~Coyote (scat)
<i>Rhus integrifolia</i>	
<i>Salvia mellifera</i>	
<i>Yucca schidigera</i>	

\* Non-Native Species

~ Species not noted during previous surveys (note that a master species list is retained by SDHC and is available upon request)

11. California Gnatcatcher Observed or Heard During Site Visit? Yes
12. Indicate attachments to this log report: Aerial Photo     Ground Photos   X    
Maps or Illustrations        Other
13. Ground Photos Taken? Yes, filed electronically by J. Rocks.
14. GPS Data Recorded? Yes, filed electronically by J. Rocks.


BE SURE TO DATE AND SIGN ALL MATERIALS.

15. Has this monitoring report and any compliance matters requiring SDHC follow-up been forwarded to the local jurisdiction's Preserve Steward or to Wildlife Agencies? Not necessary, but this report was forwarded to Jeff Norton of RWR Homes.

Signature and Date:  12/2/08

Jim Rocks, Habitat Manager

Reviewed by SDHC Executive Director:

Signature and Date:  4/13/09

Ellen Miille



## Quarterly Patrol Site Photos 11/19/08



**Photo 1.** View of Coastal Sage Scrub (CSS). The threatened California Gnatcatcher was observed within the CSS in the OS.



**Photo 2.** View of Disturbed Habitat. This area should be monitored regularly to determine if seeding will help enhance this area.





**Photo 3.** View of Coastal Sage Scrub enhancement area with container plants and adjacent hydroseeded area to the left.



**Photo 4.** View of invasive Tree Tobacco (*Nicotiana glauca*) and Pampas Grass (*Cortaderia* sp.) that should be treated with herbicide and removed.



# SAN DIEGO HABITAT CONSERVANCY

## LOG REPORT

8130 La Mesa Blvd., #705 • La Mesa • California 91941  
Phone: (619) 668-7474 • Fax: (619) 462-0552 • Email: SDHC@sdhabitat.org

### QUARTERLY LOG REPORT

DATE: February 19, 2009  
First Quarter

Preserve Name:	Emerald Pointe Open Space		
Property Location:	Carlsbad, CA – east of Aviara Parkway, north of Cobblestone Drive, west of Sapphire Drive		
Land Owner:	San Diego Habitat Conserv.	Phone:	619-668-7474
Owner Address:	8130 La Mesa Boulevard, #705, La Mesa, CA 91942		
Adjacent HOA	Emerald Point Estates Homeowner's Association		
HOA Representative:	Jeff Norton, RWR Homes	Phone:	619-948-4962
Grantee to Easement:	City of Carlsbad		
Preserve Steward:	Roseanne Humphrey	Phone:	760-519-0873
Habitat Manager:	Jim Rocks	Phone:	619-843-6640
Other Attendees			

#### Weather Information:

	Time	Temp (F°)	Wind (MPH)	Sky Cover (%)
Start	1030	66	1-3 Variable	15%
Stop	1430	70	0-4 Variable	10%

Type of Survey (Walk, Drive, Air): Walking      Date of Aerial Photograph: 2008

#### 1. DESCRIBE OVERALL CONDITION OF HABITAT:

The habitat within the open space (OS) including Coastal Sage Scrub, Native Grassland, Southern Mixed Chaparral and other native communities are intact and appear healthy. The areas previously mapped as Non-Native Grassland and Disturbed Habitat are dominated by non-native weedy species such as Black Mustard (*Brassica nigra*), Tecolote (*Centaurea melitensis*), and the native Common Tarplant (*Deinandra fasciculata*). These areas should continue to be monitored regularly to determine if seeding with native species could help reduce the abundance of weedy species. No remedial action in this area is recommended at this time. The revegetated areas appear to be progressing well (see photo 1) and will continue to be generally assessed during quarterly patrols.

#### 2. DESCRIBE WEEDS AND INVASIVES AND ACTION TAKEN OR PROPOSED ACTION FOR REMOVAL:

In general, cover of invasive weeds is low outside of areas previously mapped as Disturbed Habitat. Fennel (*Foeniculum vulgare*) is present within the OS near the western boundary and offsite along the northeastern boundary of the site where previously disturbed. Three Tree Tobacco and one Pampas Grass are present along the southern boundary near the intersection of Laurel Tree Road and Cobblestone Drive and one other Pampas Grass is present along the SDGE access road near the western boundary..

The Tree Tobacco and Pampas Grass should be removed during the next quarterly patrol in May 2009. The Fennel that is offsite will continue to be monitored to ensure it does not colonize the site.

3. DESCRIBE TRASH AND DEBRIS PRESENCE/REMOVAL:

Trash was prevalent along the western boundary of the site adjacent to residential housing and parking lots. Approximately two large trash bags of garbage were removed from the OS during the quarterly visit. Additional trash removal at this time is not necessary. This area will likely continue to be a problem trash area due to its proximity to residential housing.

4. DESCRIBE FENCING AND SIGNS - ANY REPAIRS OR REPLACEMENT?

The eight (8) signs demarcating the OS were inspected during the field visit. All signs were intact and in good condition. The fencing around the new development along Sapphire Dr. is intact and remains in good condition.

5. DESCRIBE MAN-MADE ALTERATIONS: For example, construction, new roads or trails, clearing since the easement was last monitored. Describe activity or alteration, noting the specific location, extent, purpose and individual responsible (if known). Note any observed effect on conservation resources identified in the easement or baseline report. Attach maps, permit information, photos or illustrations as appropriate.

No human-made alterations were observed during this quarterly visit.

6. DESCRIBE NATURAL ALTERATIONS: For example, flooding, fire, insect infestation, drought. Note location, nature, and extent of change since last report, and observe any effect on conservation values. Attach maps, photos, or illustrations as appropriate.

None observed.

7. AREAS NOT MONITORED: Identify portions of the property that could not be observed or other notes for future monitoring visits.

All areas of the OS were monitored.

8. ITEMS FOR SDHC REVIEW: List your observations, questions or requests from the landowner or others that require further SDHC consideration. List any alterations that may need to be evaluated for compliance with the easement restrictions.

**Invasives Removal** – Remove and/or treat the following:

- Three Tree Tobacco (*Nicotiana glauca*)
- One large Pampas Grass (*Cortaderia* sp.)
- Patches of Fennel (*Foeniculum vulgare*) along western site boundary should be removed and Fennel offsite near northeastern boundary will continue to be monitored.



9. INDICATE MAPPING UPDATES, IF ANY (ATTACH MAP): None. Baseline vegetation mapping will occur in Spring 2009.

10. Cumulative List of Observed Flora and Fauna (note sensitive taxa; identify on map or GPS)

Plant Species	Animal Species
<i>Artemisia californica</i>	<b>Birds</b>
* <i>Avena barbata</i>	American Crow
* <i>Brassica nigra</i>	Anna's Hummingbird
~* <i>Bromus diandrus</i>	Black Phoebe
* <i>Bromus rubens</i>	Bustit
* <i>Centaurea melitensis</i>	California Gnatcatcher (Fed. Threatened)
~ <i>Chlorogalum parviflorum</i>	California Towhee
<i>Deinandra fasciculatum</i>	Common Raven
~ <i>Dudleya pulverulenta</i>	House Finch
<i>Encelia californica</i>	Lesser Goldfinch
<i>Eriogonum fasciculatum</i> var. <i>f</i>	Northern Mockingbird
~* <i>Erodium cicutarium</i>	Red-tailed Hawk
* <i>Foeniculum vulgare</i>	~Song sparrow
~ <i>Grindelia hirsutissima</i>	Turkey Vulture
<i>Hesperoyucca whipplei</i>	~Western Scrub Jay
<i>Heteromeles arbutifolia</i>	Wrentit
<i>Isocoma menziesii</i>	<b>Mammals</b>
<i>Isomoeris arborea</i>	Audubon's Cottontail
~ <i>Lepidium nitidum</i>	California Ground Squirrel
<i>Logfia [Filago] gallica</i>	Coyote (scat)
<i>Malosma laurina</i>	~Raccoon (tracks)
* <i>Nicotiana glauca</i>	<b>Invertebrates</b>
<i>Opuntia littoralis</i>	~West Coast Lady Butterfly
~ <i>Pterostegia drymarioides</i>	
<i>Rhus integrifolia</i>	
<i>Salvia mellifera</i>	
<i>Yucca schidigera</i>	

\* Non-Native Species

~ Species not noted during previous surveys (note that a master species list is retained by SDHC and is available upon request)

11. California Gnatcatcher Observed or Heard During Site Visit? Yes

12. Indicate attachments to this log report: Aerial Photo \_\_\_ Ground Photos X  
Maps or Illustrations\_\_\_\_\_ Other \_ \_\_\_\_\_

13. Ground Photos Taken? Yes, filed electronically by J. Rocks.

14. GPS Data Recorded? Yes, filed electronically by J. Rocks.

BE SURE TO DATE AND SIGN ALL MATERIALS.


15. Has this monitoring report and any compliance matters requiring SDHC follow-up been forwarded to the local jurisdiction's Preserve Steward or to Wildlife Agencies? Not necessary, but this report was forwarded to Jeff Norton of RWR Homes.

Signature and Date:  4/15/09

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Jim Rocks, Habitat Manager

Reviewed by SDHC Executive Director:

Signature and Date:  4/16/09

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Ellen Miille



## Quarterly Patrol Site Photos 2/19/09



**Photo 1.** View of Coastal Sage Scrub enhancement area with container plants and adjacent hydroseeded area immediately upslope.



**Photo 2.** View of healthy, intact Coastal Sage Scrub where the threatened California Gnatcatcher was observed.





**Photo 3.** View of San Diego Habitat Conservancy sign delineating the boundary of the biological open space.



**Photo 4.** View along Laurel Tree Road leading to residential housing. Note invasive Pampas Grass and Tree Tobacco in the background. These species should be removed prior to the next quarterly patrol.



# SAN DIEGO HABITAT CONSERVANCY

## LOG REPORT

8130 La Mesa Blvd., #705 • La Mesa • California 91941  
 Phone: (619) 668-7474 • Fax: (619) 462-0552 • Email: SDHC@sdhabitat.org

### QUARTERLY LOG REPORT

DATE OF PATROL: May 18, 2009  
 Second Quarter

Preserve Name:	Emerald Pointe Open Space		
Property Location:	Carlsbad, CA – east of Aviara Parkway, north of Cobblestone Drive, west of Sapphire Drive		
Land Owner:	San Diego Habitat Conserv.	Phone:	619-668-7474
Owner Address:	8130 La Mesa Boulevard, #705, La Mesa, CA 91942		
Adjacent HOA	Emerald Point Estates Homeowner's Association		
HOA Representative:	Jeff Norton, RWR Homes	Phone:	619-948-4962
Grantee to Easement:	City of Carlsbad		
Preserve Steward:	Roseanne Humphrey	Phone:	760-519-0873
Habitat Manager:	Jim Rocks	Phone:	619-843-6640
Other Attendees			

#### Weather Information:

	Time	Temp (F°)	Wind (MPH)	Sky Cover (%)
Start	0750	65	0-1	100%
Stop	1300	72	0-1	30%

Type of Survey (Walk, Drive, Air): Walking      Date of Aerial Photograph: 2007

#### 1. DESCRIBE OVERALL CONDITION OF HABITAT:

The habitat within the open space (OS) including Coastal Sage Scrub, Native Grassland, Southern Mixed Chaparral and other native communities are intact and appear healthy. The areas previously mapped as Non-Native Grassland and Disturbed Habitat are dominated by non-native weedy species such as Black Mustard (*Brassica nigra*), Tecolote (*Centaurea melitensis*), and the native Common Tarplant (*Deinandra fasciculata*). These areas should continue to be monitored regularly to determine if seeding with native species could help reduce the abundance of weedy species. No remedial action in this area is recommended at this time.

Focused surveys for the federally threatened California Gnatcatcher (*Poliophtila californica*) and California State Endangered and federally threatened San Diego Thornmint (*Acanthomintha ilicifolia*) were also conducted in May 2009. A family of five Gnatcatchers was observed near the southern boundary of the OS and 110 individuals of San Diego Thornmint were counted during the spring census. Also, Palmer's Grapplinghook (*Harpagonella palmeri*; CNPS List 4.2) was observed adjacent to San Diego Thornmint. The location of these species is shown on the attached figure.

The revegetated areas in the northern portion of the site continue to progress and will continue to be generally assessed during quarterly patrols. )The revegetated area is being managed and monitored for five years by another contractor.) Native shrubs and annuals dominant these areas.

2. DESCRIBE WEEDS AND INVASIVES AND ACTION TAKEN OR PROPOSED ACTION FOR REMOVAL:

In general, cover of invasive weeds is low outside of areas previously mapped as Disturbed Habitat. The Tree Tobacco, Pampas Grass, and Fennel that were reported in the first quarterly report were removed on May 18, 2009. Also, the invasive Japanese Honeysuckle (*Lonicera japonica*) that was planted as part of the residential landscaping has started to creep along and over the OS boundary. This species was cut back and removed from the OS. These areas will be closely monitored for resprout and spreading.

3. DESCRIBE TRASH AND DEBRIS PRESENCE/REMOVAL:

Trash was prevalent along the western boundary of the site adjacent to residential housing and parking lots. One trash bag of garbage was removed from the OS during the quarterly visit. Additional trash removal at this time is not necessary. This area will likely continue to be a problem trash area due to its proximity to residential housing.

4. DESCRIBE FENCING AND SIGNS - ANY REPAIRS OR REPLACEMENT?

The eight (8) signs demarcating the OS were inspected during the field visit. All signs were intact and in good condition. The fencing around the new development along Sapphire Drive is intact and remains in good condition.

5. DESCRIBE MAN-MADE ALTERATIONS: For example, construction, new roads or trails, clearing since the easement was last monitored. Describe activity or alteration, noting the specific location, extent, purpose and individual responsible (if known). Note any observed effect on conservation resources identified in the easement or baseline report. Attach maps, permit information, photos or illustrations as appropriate.

No human-made alterations were observed during this quarterly visit.

6. DESCRIBE NATURAL ALTERATIONS: For example, flooding, fire, insect infestation, drought. Note location, nature, and extent of change since last report, and observe any effect on conservation values. Attach maps, photos, or illustrations as appropriate.

None observed.

7. AREAS NOT MONITORED: Identify portions of the property that could not be observed or other notes for future monitoring visits.

All areas of the OS were monitored.

8. ITEMS FOR SDHC REVIEW: List your observations, questions or requests from the landowner or others that require further SDHC consideration. List any alterations that may need to be evaluated for compliance with the easement restrictions.

No items for review at this time.

9. INDICATE MAPPING UPDATES, IF ANY (ATTACH MAP): None. Baseline vegetation mapping is in progress.



10. Cumulative List of Observed Flora and Fauna (note sensitive taxa; identify on map or GPS)

Plant Species	Animal Species
<i>Acanthomintha ilicifolia</i> (State Endangered, Federally Threatened)	<i>Polypogon monspeliensis</i>
* <i>Anagallis arvensis</i>	<i>Pterostegia drymarioides</i>
<i>Apiastrum angustifolium</i>	<i>Rhus integrifolia</i>
<i>Artemisia californica</i>	<i>Ribes speciosum</i>
* <i>Avena barbata</i>	<i>Salvia mellifera</i>
<i>Baccharis pilularis</i>	<i>Sambucus mexicana</i>
<i>Bloomeria crocea</i>	<i>Solanum parishii</i>
* <i>Brassica nigra</i>	* <i>Sonchus asper</i>
* <i>Bromus diandrus</i>	* <i>Sonchus oleraceus</i>
* <i>Bromus rubens</i>	<i>Yucca schidigera</i>
<i>Calochortus splendens</i>	
<i>Calystegia macrostegia</i>	<b>Birds</b>
* <i>Centaurea melitensis</i>	American Crow
<i>Chlorogalum parviflorum</i>	Anna's Hummingbird
<i>Chorizanthe fimbriata</i> var. <i>f</i>	Bewick's Wren
<i>Deinandra fasciculata</i>	Black Phoebe
<i>Dichelostemma capitatum</i>	Bushtit
<i>Distichlis spicata</i>	California Gnatcatcher (Fed. Threatened); adult pair and three fledglings observed
<i>Dudleya pulverulenta</i>	California Quail
<i>Encelia californica</i>	California Thrasher
<i>Eriogonum fasciculatum</i> var. <i>f</i>	California Towhee
* <i>Erodium cicutarium</i>	Common Raven
* <i>Foeniculum vulgare</i>	Common Yellowthroat (in adjacent drainage)
<i>Galium nuttallii</i> ssp. <i>n</i>	House Finch
<i>Grindelia hirsutissima</i>	Lesser Goldfinch
<i>Harpagonella palmeri</i> (CNPS List 4.2)	Mourning Dove
<i>Hedypnois cretica</i>	Northern Mockingbird
<i>Hesperoyucca whipplei</i>	Red-shouldered Hawk
<i>Heteromeles arbutifolia</i>	Red-tailed Hawk
<i>Isocoma menziesii</i>	Song sparrow
<i>Isomoeris arborea</i>	Spotted Towhee
<i>Lepidium nitidum</i>	Turkey Vulture
* <i>Logfia</i> [Filago] <i>gallica</i>	Western Scrub Jay
* <i>Lolium multiflorum</i>	Wrentit
<i>Lotus scoparius</i> var. <i>s</i>	<b>Mammals</b>
<i>Malacothamnus fasciculatus</i>	Audubon's Cottontail
<i>Malosma laurina</i>	California Ground Squirrel
<i>Marah macrocarpus</i>	Coyote (scat)
* <i>Melilotus indica</i>	Raccoon (tracks)
<i>Nassella lepidia</i>	<b>Invertebrates</b>
<i>Navarretia hamata</i> ssp. <i>leptantha</i>	Mourning Cloak Butterfly
* <i>Nicotiana glauca</i>	West Coast Lady Butterfly
<i>Opuntia littoralis</i>	Western Tiger Swallowtail Butterfly
<i>Osmadenia tenella</i>	Trapdoor Spider Burrows
* <i>Plantago rhodosperma</i>	

\* Non-Native Species

11. California Gnatcatcher Observed or Heard During Site Visit? Yes, please see map for location.
12. Indicate attachments to this log report: Aerial Photo ☐ Ground Photos ☒ Maps or Illustrations ☐ Other ☐
13. Ground Photos Taken? Yes, filed electronically by J. Rocks. See attached representative photos.
14. GPS Data Recorded? Yes, filed electronically by J. Rocks.

BE SURE TO DATE AND SIGN ALL MATERIALS AND PROVIDE A DESCRIPTION ON MAP SHOWING WHERE IMPORTANT PHOTOS OR ILLUSTRATIONS WERE TAKEN.

15. Has this monitoring report and any compliance matters requiring SDHC follow-up been forwarded to the local jurisdiction's Preserve Steward or to Wildlife Agencies? Not necessary, but this report was forwarded to Jeff Norton of RWR Homes.

Signature and Date:  7/22/09

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Reviewed by SDHC Executive Director:

Signature and Date:  7/23/09

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Ellen Miille



## Quarterly Patrol Site Photos 5/18/09



**Photo 1.** View of Coastal Sage Scrub from top of slope along boundary with Emerald Pointe Estates.



**Photo 2.** View of Japanese Honeysuckle along edge of OS. This invasive weed was removed along the OS boundary and will be monitored each visit and removed as necessary.





**Photo 3.** View of California Gnatcatcher (*Poliophtila californica*). This male was paired and the female was observed feeding three fledglings.



**Photo 4.** View of flower and spiny bracts of the California state endangered and federally threatened San Diego Thornmint (*Acanthomintha ilicifolia*). 110 individual plants were counted onsite during the 2009 census.



# SAN DIEGO HABITAT CONSERVANCY

## LOG REPORT

8130 La Mesa Blvd., #705 • La Mesa • California 91941  
Phone: (619) 668-7474 • Fax: (619) 462-0552 • Email: SDHC@sdhabitat.org

### QUARTERLY LOG REPORT

DATE OF PATROL: August 4, 2009  
Third Quarter

Preserve Name:	Emerald Pointe Open Space		
Property Location:	Carlsbad, CA – east of Aviara Parkway, north of Cobblestone Drive, west of Sapphire Drive		
Land Owner:	San Diego Habitat Conserv.	Phone:	619-668-7474
Owner Address:	8130 La Mesa Boulevard, #705, La Mesa, CA 91942		
Adjacent HOA	Emerald Point Estates Homeowner's Association		
HOA Representative:	Jeff Norton, RWR Homes	Phone:	619-948-4962
Grantee to Easement:	City of Carlsbad		
Preserve Steward:	Roseanne Humphrey	Phone:	760-519-0873
Habitat Manager:	Jim Rocks	Phone:	619-843-6640
Other Attendees	Melissa Murillo, SDHC Volunteer		

#### Weather Information:

	Time	Temp (F°)	Wind (MPH)	Sky Cover (%)
Start	1050	80	0-2	40% thin
Stop	1300	83	0-4	50% thin

Type of Survey (Walk, Drive, Air): Walking      Date of Aerial Photograph: 2009

#### 1. DESCRIBE OVERALL CONDITION OF HABITAT:

The habitat within the open space (OS) including Coastal Sage Scrub, Native Grassland, Southern Mixed Chaparral and other native communities are intact and appear healthy. Seasonal senescence was starting to set in and shrubs such as California Buckwheat and Black Sage were in seed and turning brown.

The revegetated areas in the northern portion of the site continue to progress and will continue to be generally assessed during quarterly patrols. Native shrubs and annuals dominate these areas.

#### 2. DESCRIBE WEEDS AND INVASIVES AND ACTION TAKEN OR PROPOSED ACTION FOR REMOVAL:

In general, cover of invasive weeds is low outside of areas previously mapped as Disturbed Habitat. The Tree Tobacco, Pampas Grass, and Fennel that were removed on May 18, 2009 have begun to resprout and will be retreated during the next weed removal effort. Invasive weeds will continue to be a focal point of the biological monitoring effort.

3. DESCRIBE TRASH AND DEBRIS PRESENCE/REMOVAL:

Trash was again prevalent along the western boundary of the site, associated with the adjacent multi-family residential housing and parking lots. One large trash bag of garbage and an old box spring was removed from the OS during the quarterly visit. Additional trash removal at this time is not necessary. This area will likely continue to be a problem trash area due to its proximity to high-density residential housing and historic use of the OS by residents for recreation.

A large PVC pipe, approximately 8 feet long and filled with dirt, is present near the SDG&E access road. This pipe will be removed during the next weed removal effort when maintenance crews will be onsite.

4. DESCRIBE FENCING AND SIGNS - ANY REPAIRS OR REPLACEMENT?

The eight (8) signs demarcating the OS were inspected during the field visit. All signs were intact and in good condition. The fencing between the OS and single-family residential development to the east is intact and remains in good condition.

5. DESCRIBE MAN-MADE ALTERATIONS: For example, construction, new roads or trails, clearing since the easement was last monitored. Describe activity or alteration, noting the specific location, extent, purpose and individual responsible (if known). Note any observed effect on conservation resources identified in the easement or baseline report. Attach maps, permit information, photos or illustrations as appropriate.

No human-made alterations were observed during this quarterly visit.

6. DESCRIBE NATURAL ALTERATIONS: For example, flooding, fire, insect infestation, drought. Note location, nature, and extent of change since last report, and observe any effect on conservation values. Attach maps, photos, or illustrations as appropriate.

None observed.

7. AREAS NOT MONITORED: Identify portions of the property that could not be observed or other notes for future monitoring visits.

All areas of the OS were monitored.

8. ITEMS FOR SDHC REVIEW: List your observations, questions or requests from the landowner or others that require further SDHC consideration. List any alterations that may need to be evaluated for compliance with the easement restrictions.

**Invasive Species:** Fennel, Tree Tobacco, and Pampas Grass are resprouting and will be re-treated during the next weed removal effort.

**Trash:** The large PVC pipe will be removed the next time maintenance crews are onsite.

9. INDICATE MAPPING UPDATES, IF ANY (ATTACH MAP): None.



10. Cumulative List of Observed Flora and Fauna (note sensitive taxa; identify on map or GPS)

Plant Species	Animal Species
<i>Acanthomintha ilicifolia</i> (State Endangered, Federally Threatened)	<i>Polypogon monspeliensis</i>
* <i>Anagallis arvensis</i>	<i>Pterostegia drymarioides</i>
<i>Apiastrum angustifolium</i>	<i>Rhus integrifolia</i>
<i>Artemisia californica</i>	<i>Ribes speciosum</i>
* <i>Avena barbata</i>	<i>Salvia mellifera</i>
<i>Baccharis pilularis</i>	<i>Sambucus mexicana</i>
<i>Bloomeria crocea</i>	<i>Solanum parishii</i>
* <i>Brassica nigra</i>	* <i>Sonchus asper</i>
* <i>Bromus diandrus</i>	* <i>Sonchus oleraceus</i>
* <i>Bromus rubens</i>	<i>Yucca schidigera</i>
<i>Calochortus splendens</i>	
<i>Calystegia macrostegia</i>	<b>Birds</b>
* <i>Centaurea melitensis</i>	American Crow
<i>Chlorogalum parviflorum</i>	Anna's Hummingbird
<i>Chorizanthe fimbriata</i> var. <i>f</i>	Bewick's Wren
<i>Deinandra fasciculata</i>	Black Phoebe
<i>Dichelostemma capitatum</i>	Bushtit
<i>Distichlis spicata</i>	California Gnatcatcher (Fed. Threatened); adult pair and three fledglings observed in May 2009
<i>Dudleya pulverulenta</i>	California Quail
<i>Encelia californica</i>	California Thrasher
<i>Eriogonum fasciculatum</i> var. <i>f</i>	California Towhee
* <i>Erodium cicutarium</i>	Common Raven
* <i>Foeniculum vulgare</i>	Common Yellowthroat (in adjacent drainage)
<i>Galium nuttallii</i> ssp. <i>n</i>	House Finch
<i>Grindelia hirsutissima</i>	Lesser Goldfinch
<i>Harpagonella palmeri</i> (CNPS List 4.2)	Mourning Dove
<i>Hedypnois cretica</i>	Northern Mockingbird
<i>Hesperoyucca whipplei</i>	Red-shouldered Hawk
<i>Heteromeles arbutifolia</i>	Red-tailed Hawk
<i>Isocoma menziesii</i>	Song sparrow
<i>Isomoeris arborea</i>	Spotted Towhee
<i>Lepidium nitidum</i>	Turkey Vulture
* <i>Logfia</i> [Filago] <i>gallica</i>	Western Scrub Jay
* <i>Lolium multiflorum</i>	Wrentit
<i>Lotus scoparius</i> var. <i>s</i>	<b>Mammals</b>
<i>Malacothamnus fasciculatus</i>	Audubon's Cottontail
<i>Malosma laurina</i>	California Ground Squirrel
<i>Marah macrocarpus</i>	Coyote (scat)
* <i>Melilotus indica</i>	Raccoon (tracks)
<i>Nassella lepida</i>	<b>Invertebrates</b>
<i>Navarretia hamata</i> ssp. <i>leptantha</i>	Mourning Cloak Butterfly
* <i>Nicotiana glauca</i>	West Coast Lady Butterfly
<i>Opuntia littoralis</i>	Western Tiger Swallowtail Butterfly
<i>Osmadenia tenella</i>	Trapdoor Spider Burrows
* <i>Plantago rhodosperma</i>	

\* Non-Native Species

11. California Gnatcatcher Observed or Heard During Site Visit? Yes, this species was heard and seen during the patrol.
12. Indicate attachments to this log report: Aerial Photo \_\_\_ Ground Photos X  
Maps or Illustrations \_\_\_ Other \_\_\_\_\_
13. Ground Photos Taken? Yes, filed electronically by J. Rocks. See attached representative photos.
14. GPS Data Recorded? No
15. Has this monitoring report and any compliance matters requiring SDHC follow-up been forwarded to the local jurisdiction's Preserve Steward or to Wildlife Agencies? Not necessary, but this report was forwarded to Jeff Norton of RWR Homes.

Signature and Date:  11/9/09

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Jim Rocks, Habitat Manager

Signature and Date:  11/10/09

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Don Scoles, SDHC Executive Director



## Quarterly Patrol Site Photos 8/4/09



**Photo 1.** View of Coastal Sage Scrub from top of slope along boundary with Emerald Pointe Estates.



**Photo 2.** View of Japanese Honeysuckle along edge of OS. This invasive ornamental was removed along the OS boundary and will be monitored during each visit and removed as necessary.





**Photo 3.** View of PVC pipe in OS that will be removed.



**Photo 4.** View of Fennel (*Foeniculum vulgare*) that is resprouting after being treated in May 2009. Invasive species, such as Fennel, will continue to be monitored and removed.



**Attachment C**

**2009 California Gnatcatcher Protocol Survey Report**

# ROCKS BIOLOGICAL CONSULTING

October 28, 2009

U.S. Fish and Wildlife Service  
Attn: Sandra Marquez  
Carlsbad Fish and Wildlife Office  
6010 Hidden Valley Road  
Carlsbad, CA 92009

**Subject: 45-Day Report for California Gnatcatcher Survey at the Emerald Pointe Open Space Preserve in San Diego County, CA**

**Permitted Biologist: Jim Rocks TE-063230-3**

Dear Ms. Marquez:

This letter presents the 45-Day Report for the Coastal California Gnatcatcher (*Polioptila californica*; CAGN) protocol surveys I conducted within the Emerald Pointe Open Space Preserve south of Palomar Airport Road, east of Aviara Parkway, immediately north of Laurel Tree Road in Carlsbad, CA (Figure 1). The 10.1 acre survey area is located within the Encinitas 7.5' USGS Quadrangle (Figure 2) and supports Diegan Coastal Sage Scrub, Southern Mixed Chaparral, Valley Needlegrass Grassland, Non-native Grassland, and Disturbed Habitat (Figure 3). An adult pair and three fledgling California Gnatcatchers were observed during the 2009 surveys.

Survey methodology followed the U.S. Fish and Wildlife Service presence/absence protocol (1997) including three surveys at least one week apart. I conducted all three surveys during which I covered approximately 10 acres of suitable habitat throughout the survey time for a rate of approximately 3 acres/hr. Taped vocalizations were used sparingly to elicit a response from CAGN and were ceased upon hearing or seeing the California Gnatcatcher. Please see Table 1 for survey dates, times, and conditions. A list of bird species observed during the survey is in Table 2.

**Table 1. Survey Conditions During California Gnatcatcher Surveys at Emerald Pointe Open Space Preserve, 2009**

Dates	5/1/08	5/8/08	5/18/08
Survey Time	0845 - 1200	0830 - 1200	0750 - 1050
Temp (°F) Start-End	66 - 69	66 - 70	65 - 72
Sky Cover (%)	100 - 70	100 - 0	100 - 30
Wind Speed (MPH)	1 - 4	1 - 4	0 - 1
Personnel	J. Rocks	J. Rocks	J. Rocks

3242 FALCON ST • SAN DIEGO, CA 92103  
PH: 619-843-6640. FAX: 619-297-9005. E-MAIL: JIM@ROCKSBIO.COM



Plant communities present within or immediately adjacent to the survey area include high quality Diegan Coastal Sage Scrub consisting of California Sagebrush (*Artemisia californica*), Flat-topped Buckwheat (*Eriogonum fasciculatum* var. *fasciculatum*), Laurel Sumac (*Malsoma laurina*), Lemonadeberry (*Rhus integrifolia*) and White Sage (*Salvia apiana*). Southern Mixed Chaparral, Valley Needlegrass Grassland and Non-native Grassland also occur within the survey area and could be used by the California Gnatcatcher.

Please call me at (619) 843-6640 if you have any questions.

*I certify that the information in this survey report and attached exhibit fully and accurately represent my work.*

Sincerely,



Jim Rocks, Principal Biologist  
Rocks Biological Consulting  
Permit Number TE-063230-3

10/28/09

Date

**Enclosures:** Regional Vicinity Map  
USGS Quadrangles Map  
Vegetation Map and Survey Route

**Table 1.** Bird Species Observed During California Gnatcatcher Protocol Surveys  
May 2009 at the Emerald Pointe Preserve OS

CAGN	California Gnatcatcher	<i>Poliophtila californica</i>
MODO	Mourning Dove	<i>Zenaida macroura</i>
ANHU	Anna's Hummingbird	<i>Calypte anna</i>
CORA	Common Raven	<i>Corvus corax</i>
AMCR	American Crow	<i>Corvus brachyrhynchos</i>
BEWR	Bewick's Wren	<i>Thryomanes bewickii</i>
BUSH	Bushtit	<i>Psaltiriparus minimus</i>
WRTI	Wrentit	<i>Chamaea fasciata</i>
LEGO	Lesser Goldfinch	<i>Carduelis plsaltria</i>
HOFI	House Finch	<i>Carpodacus mexicanus</i>
SOSP	Song Sparrow	<i>Melospiza melodia</i>
SPTO	Spotted Towhee	<i>Pipilo maculatus</i>
CATO	California Towhee	<i>Pipilo crissalis</i>
WEKI	Western Kingbird	<i>Tyrannus verticalis</i>
CAQU	California Quail	<i>Callipepla californica</i>
WESJ	Western Scrub Jay	<i>Aphelocoma californica</i>
RSHA	Red-shouldered Hawk	<i>Buteo lineatus</i>
RTHA	Red-tailed Hawk	<i>Buteo jamaicensis</i>
NOMO	Northern Mockingbird	<i>Mimus polyglottos</i>

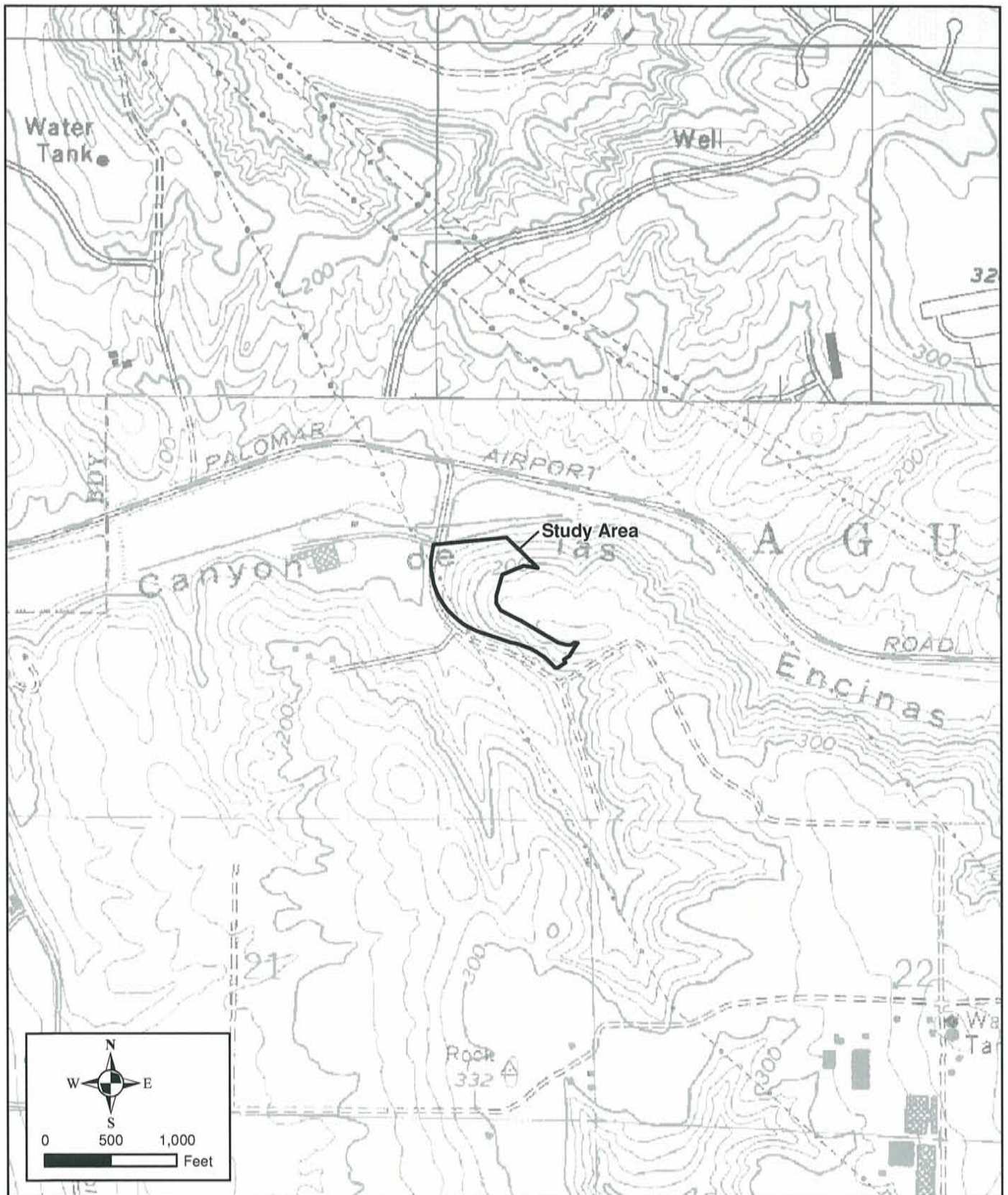




## Regional Vicinity Map

*Emerald Pointe Preserve*

*Figure 1*

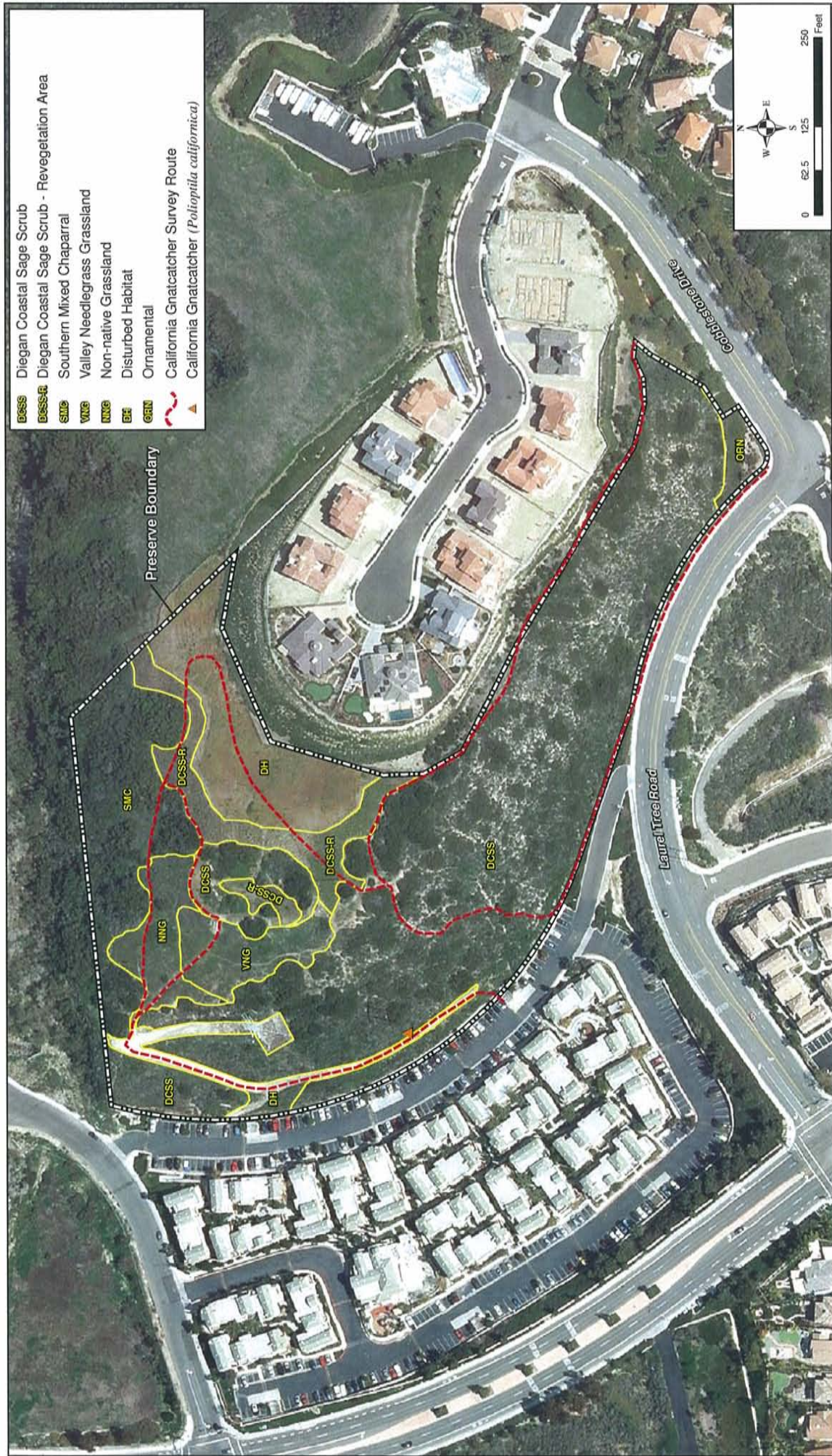


*San Luis Rey and Encinitas USGS Quad Map*

*Emerald Pointe Preserve*

*Figure 2*





California Gnatcatcher Protocol Survey Results - May 2009 Surveys

*Emerald Pointe Preserve*

Figure 3